# SURDIAL™ 55Plus

## Compact and simple designed to allow easy settings and operations

**Special Features**
- Compact body size, 280mm width
- 180 degrees swivable touch panel display
- Single needle system with one clamp
- UF profile and Conductivity profile
- Detection of micro air bubbles

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## ▊ Specifications

| General data | |
|---|---|
| Dimension | 280(W)×420(D)×1365(H) |
| Weight | Approx. 72kg |
| Power Supply | AC230V±10%, 50/60Hz<br>AC110V±10%, 50/60Hz |
| Power consumption | Max. 2000VA |
| Water Supply | Temperature : 15 to 30℃<br>　　　　　　　5 to 30℃ (with heat exchanger, option)<br>Pressure　　: 0.05 to 0.74 MPa<br>Flow rate　 : 900mL or more |

| Extracorporeal circuit | |
|---|---|
| Arterial pressure monitoring | Measurement range : -500 to 500 mmHg<br>Accuracy　　　　　 : ±10mmHg |
| Venous pressure monitoring | Measurement range : -500 to 500 mmHg<br>Accuracy　　　　　 : ±10mmHg |
| Air Bubble Detector | Ultrasonic Sensor<br>Two conditions create an air bubble alarm: any single bubble greater than 10 $\mu$L in size and when bubbles of 0.3 $\mu$L or larger, accumulate over a 1-minute period into a volume of 1, 10, 50 or 300 $\mu$L. |
| Arterial blood pump | Flow range : 0,10 to 600mL/min<br>Accuracy　 : ±10% |
| Heparin pump | Delivery range : 0.0 to 20.0 mL/hr<br>Bolus range　 : 0.1 to 9.9 mL<br>Accuracy　　　: ±10%<br>Syringe size　: 10,20,30mL |

| Hydraulic circuit | |
|---|---|
| Ultrafiltration | Volumetric control<br>UF rate:0,0.10 to 5.00L/hr<br>Accuracy: ±30g/hr |
| Dialysate flow rate | 300 to 800 mL/min |
| Dialysate temperature | 34.0 to 39.0℃ |

| Concentration range | Bicarbonate dialysis<br>　　Water +B　　: 5 to 65 mmol/L<br>　　Water +A+B : 130 to 160 mmol/L<br>　　　　　　　　　(Na$^+$electrolyte concentration)<br>　　Stability　　　: 0.3mS/cm or less<br>Acetate dialysis<br>　　Water +A : 130 to 160 mmol/L<br>　　　　　　　　(Na$^+$electrolyte concentration)<br>　　Stability　: 0.3mS/cm or less |
|---|---|
| Blood leak detector | Optical |
| Rinse Program | Water rinse<br>Chemical disinfection<br>Chemical decalcification<br>Hot rinse<br>Hot citric disinfection<br>Tepid rinse |

| Function |
|---|
| Acetate and Bicarbonate dialysis<br>Isolated ultra filtration<br>Single needle with single blood pump<br>UF profile<br>Concentration profile<br>Dose finder (Kt/V calculator)<br>10.4" color touch display |

| Option |
|---|
| Blood pressure monitoring (BPM)<br>LAN connector<br>Front hook for solution bag<br>CF flushing unit<br>Dialysate solution tank tray<br>Acid rinsing port unit<br>Potential equalization conductor<br>* Heat exchanger unit(Factory Option)<br>* Bicarbonate powder cartridge system<br>* Central system for A solution (Factory Option) |

*: Factory installed option